

**MPEXUSB3S2**

**Instruction Manual**

# **Mini PCI Express USB 3.0 Adapter**

**2-Port Mini PCI Express  
SuperSpeed USB 3.0 Adapter  
Card**

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## **FCC Compliance Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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# Introduction

The MPEXUSB3S2 2-Port Mini PCI Express SuperSpeed USB 3.0 Card Adapter adds two external USB to small form factor systems, for connecting a variety of different peripherals. Supporting the SuperSpeed USB 3.0 specification, each port is capable of supporting transfer speeds up to 5 Gbps (10x faster than USB 2.0) and providing up to 900 mA of power (almost 2x than USB 2.0).

Using the Mini PCI Express (Mini Card) form factor, this adapter card is designed for use in the latest very small form factor computer systems, such as Mini-ITX or custom embedded solutions where a desktop PCI Express card would not fit.

## Packaging Contents

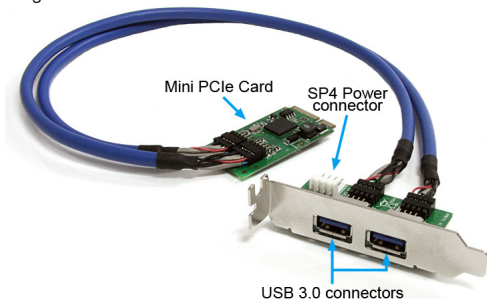
- 1 x Mini PCI Express card
- 1 x Driver CD
- 1 x Full Profile Installation Bracket
- 1 x Instruction Manual

## System Requirements

- PCI Express enabled computer system with available full length Mini PCI Express (Mini Card) slot
- Case/Chassis with available Low or Full profile expansion card slot
- Microsoft® Windows® 2000/XP/Server 2003/Vista/Server 2008 R2/7 (32/64-bit)

## Installation

**WARNING!** Mini PCI Express cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your Mini PCI Express card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the Mini PCI Express card by its edges and not the gold connectors.



## Hardware Installation

1. Line up and insert the Mini PCI Express card (Mini Card) into the Mini PCI Express slot on the system board. Make sure to match up the gap in the card edge connector, with the notch in the slot.

2. Securely fasten the card to the motherboard.

**NOTE:** Different systems may have different methods for installing Mini Cards, so please refer to documentation for your system/board for more specific installation instructions for your particular application.

3. Connect the LP4 power connector from the Mini Card to an LP4 connector from the system power supply.
4. Locate an open expansion card slot (i.e. PCI, PCI Express, etc) and remove the metal cover plate on the rear of the system case/chassis.

\*actual product may vary from photos

5. Place the expansion card bracket from the Mini Card in the opening and fasten the card's bracket to the rear of the case.

**NOTE:** If the system case/chassis only supports full profile brackets, replacing the pre-installed low profile bracket with the included full profile installation bracket may be necessary.

## Driver Installation

### Windows 2000/XP/Server 2003

1. Upon starting Windows, if the "Found New Hardware" wizard appears on the screen, cancel/close the window and insert the included Driver CD into the computer's CD/DVD drive.
2. AutoPlay should automatically launch and display all of the folders on the CD. If not, open "My Computer" and double-click on the CD/DVD drive.
3. Enter the folder "USB 3.0 Host", then "NEC" and double-click the file "Setup.exe".
4. This should launch the driver Installation wizard. Continue through the wizard and once complete, all the necessary drivers will be installed.

### Windows Vista/7/Server 2008 R2

1. Upon starting Windows, if the "Found New Hardware" wizard appears on the screen, cancel/close the window or choose not to install the drivers and insert the included Driver CD into the computer's CD/DVD drive.
2. AutoPlay should automatically launch and display all of the folders on the CD. If not, open "Computer" and double-click on the CD/DVD.
3. Enter the folder "USB 3.0 Host", then "NEC" and double-click the file "Setup.exe".
4. This should launch the driver Installation wizard. Continue through the wizard and once complete, all the necessary drivers will be installed.

# Specifications

<b>Host Interface</b>	PCI Express Mini Card specification 1.2
<b>Form Factor</b>	Full Length Mini PCIe Full/Low Profile Card Bracket
<b>Chipset ID</b>	NEC uPD720200
<b>External Connectors</b>	2 x USB 3.0 type A female
<b>Internal Connectors</b>	1 x SP4 power male
<b>Supported Standards</b>	USB 3.0 revision 1.0 Intel xHCI revision 0.96
<b>Maximum Data Transfer Rate</b>	<b>USB 3.0:</b> 5 Gbps
<b>Operating Temperature</b>	0°C ~ 85°C (32°F ~ 185°F)
<b>Storage Temperature</b>	-65°C ~ 125°C (-85°F ~ 257°F)
<b>Dimensions (LxWxH)</b>	50.0mm x 30.0mm x 3.0mm
<b>Weight</b>	70.4g
<b>Compatible Operating Systems</b>	Windows 2000/XP/Server 2003/Vista/Server 2008 R2/7 (32/64-bit)

## Technical Support

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In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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